

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
MATERIALS & METALLURGY AND PLANT OPERATIONS SUBCOMMITTEES  
VHP CRACKING AND RPV HEAD DEGRADATION  
ROOM T-2B3, 11545 ROCKVILLE PIKE, ROCKVILLE, MD  
June 1, 2004**

**AGENDA**

<u>SUBJECT</u>	<u>PRESENTER</u>	<u>TIME</u>
I. Introductory Remarks Subcommittee Chairman	F.P. Ford, ACRS	8:30 - 8:35 a.m.
II. Overview of Safety Assessments	Larry Mathews, MRP	8:35 - 8:50 a.m.
III. Industry RPV Head and VHP Assessments		8:50 - 10:15 a.m.
- Failure Modes and Effects Analysis	Glen White, MRP	
- Fracture Mechanics Analysis	Pete Riccardella, MRP	
<b>*****BREAK*****</b>		10:15 - 10:30 a.m.
IV. Industry Positions		10:30 - 12:00 noon
- Resistance to PWSCC of Alloy 690/Replacement Head Materials	Larry Mathews, MRP	
- Management of Materials Initiative	Alex Marion, NEI	
<b>*****LUNCH*****</b>		12:00 - 1:00 p.m.
V. NRR Inspection Activities	Bill Koo, NRR Meena Khanna, NRR	1:00 - 2:00 p.m.
<b>*****BREAK*****</b>		2:00 - 2:15 p.m.
VI. NRC Sponsored Research		
- Crack Growth Rate Work, North Anna 2 RPV Head Susceptibility Ranking/New Results, Boric Acid Corrosion	Bill Cullen, NRC/RES	2:15 - 3:10 p.m.
- Leak Rate Work, Residual Stress Calculations	Gery Wilkowski, EMCC*	3:10 - 4:00 p.m.
<b>*****BREAK*****</b>		4:00 - 4:15 p.m.
- Probabilistic Fracture	Bill Shack, ANL	4:15 - 5:10 p.m.
VII. General Discussion and Adjournment		5:10 - 5:45 p.m.

\*Engineering Mechanics Columbus Corporation

Note: Presentation time should not exceed 50% of the total time allocated for a specific item.  
Number of copies of presentation materials to be provided to the ACRS - 40.

ACRS CONTACT: Maggalean W. Weston, [mww@nrc.gov](mailto:mww@nrc.gov) or (301) 415-3151.